Table 19. Example Determination of the Incremental River Reach Flow for DWS1

Incremental flow (q) from the Headwater to USGS Station Northbridge

q = QN-(QQ+QWWTF)/(DAN-DAQ) =	0.56 cfs/mi ²
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Flows (Q)	cfs
Northbridge USGS Station (QN)	125
Quinsigamond River USGS Station (QQ)	11.0
All WWTF above USGS Station Northbridge (QWWTF)	48.2

WWTF	cfs
UBWPAD	44.6
Millbury	1.69
Grafton	1.86
QWWTF	48.2

Drainage area (DA)	mi ²
USGS Northbridge (DAN)	143
USGS Quinsigamond (DAQ)	25.6

Incremental flow (q) from USGS Station Northbridge to USGS Station Woonsocket

q = QW-(QN+QB+QWWTF)/(DAW-(DAN+DAB) =	0.46 cfs/mi ²
1 2 1 (21 2 2 2 1 2 1 1 1 2 2 2 2 2 2 2	0.70 015/1111

Flows (Q)	cfs
Woonsocket USGS Station (QW)	327
Northbridge USGS Station (QN)	125
Branch River USGS Station (QB)	116
All WWTF below USGS Station Northbridge and above	2.24

WWTF	cfs
Northbridge	1.39
Uxbridge	0.85
QWWTF	2.24

Drainage area (DA)	mi ²
USGS Woonsocket (DAW)	416
USGS Northbridge (DAN)	143
USGS Branch River (DAB)	91.2